

## ECS Configuration Change Request

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Page(s)

1. Originator C.Kenney	2. Log Date: 8/1/01	3. CCR #: 01-0630	4. Rev: -	5. Tel: 301-833-4177	6. Rm #: 3204D	7. Dept. DEV/CO
8. CCR Title: TE_6A.04_DDIST_STMGT contains fixes for three SEV1 NCRs. TE contains fixes for the DDIST staging disk sizing problem and the STMGT problems FTP client crashes when encrypting long passwords. Also includes other DDIST STMGT fixes.						
9. Originator Signature/Date <i>Chevy Kenney 8/1/01</i>		10. Class <i>II</i>	11. Type: CCR	12. Need Date: 31July2001		
13. Office Manager Signature/Date <i>Lindsey W. Dyer</i>		14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency		
16. Documentation/Drawings Impacted:		17. Schedule Impact: n/a		18. CI(s) Affected:DDIST and STMGT		
19. Release Affected by this Change: 6A	20. Date due to Customer: 31July2001	21. Estimated Cost: None - Under 100K				
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 30737, 31218, 31621, 30458, 31183, 31378, 30704, 30910, 30358, 31146, 31551, 31555, 31584						
23. Problem: (use additional Sheets if necessary) ECSSed30737 SDisk:Link failed post Archive::Receive ECSSed31218 GSFC/SMC: CacheMgrPull not accessing correct FTP Notificati ECSSed31621 DDIST Staging Disk Sizing problem ECSSed30458 OPS:5B.06/55+:PRTC2: Distribution very slow during Performa ECSSed31183 EcCoAssist configuration for RETRIEVAL_CHUNK_SIZE ECSSed31378 6A.04:TS2:rgypatch.MediaOptions does not include DVD media						
24. Proposed Solution: (use additional sheets if necessary) TE is being delivered to support several SEV 1 NCRs.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next s/w release.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Delays in getting fixes to the field, DAACs must continue to work around problems						
27. Justification for Emergency (If Block 15 is "Emergency"): Corrections are required at LaRC & GSFC & EDC ASAP.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): <i>Roger Miller 8/1/01</i>	Disposition: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> App/Com. <input type="checkbox"/> Disapproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ESDIS ERB <input type="checkbox"/> Fwd/ECS					
33. M&O CCB Chair (Sign/Date): <i>John Dyer 8/1/01</i>	Disposition: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> App/Com. <input type="checkbox"/> Disapproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ESDIS ERB <input type="checkbox"/> Fwd/ECS					
34. ECS CCB Chair (Sign/Date):	Disposition: <input type="checkbox"/> Approved <input type="checkbox"/> App/Com. <input type="checkbox"/> Disapproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ESDIS ERB <input type="checkbox"/> Fwd/ESDIS					

ORIGINAL

## ADDITIONAL SHEET

CCR #: 01-0630 Rev: — Originator: Cherry Kenney

Telephone: 301-833-4177      Office: 3204d

**Title of Change:** TE\_6A.04\_DDIST\_STMGT contains fixes for three SEV1 NCRs. TE contains ffixes for the DDIST staging disk sizing problem and the STMGT problems FTP client crashes when encrypting long password. Also includes other DDIST and STMGT fixes.

### Actions

#### Clearcase

Please build Sun tar file from the 6A04 baseline for the following package:

.EcDsDdDISTSRVR.pkg

Please build IRIX tar file from the 6A04 baseline for the following packages:

.EcDsStArchive.pkg  
.EcDsStIngestFtp.pkg  
.EcDsStDatabase.pkg

Please deliver files to the DAACs.

### DAAC INSTALL INSTRUCTIONS

1. Get TAR Files from CM distribution.

EcDsDdDISTSRVR.pkg  
EcDsStArchive.pkg  
EcDsStIngestFtp.pkg  
.EcDsStDatabase.pkg

2. UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select "Y" when prompted for "Update ECS Assist Common Files" to get the latest version of ECS ASSIST. THIS MUST BE RUN AS ROOT.

3. On a SUN host, use E.A.S.I. to perform automated installation of all four packages listed above as follows:

- a. Select the Mode to be installed
- b. Enter the location of the staged files
- c. Select CUSTOM and Click Next
- d. Click on the "Sort by: Subsystem" button, expand the "DSS" icon, and then expand the EcDsDd and EcDsSt icons. Holding down the Shift key, select the EcDsDdDISTSRVR.pkg, EcDsStArchive.pkg , EcDsStArchive.pkg, and EcDsStDatabase.pkg icons. Click Next
- e. Select Install as the Installation Phase and Click Next
- f. STAGING AREA will be shown as the Installation Type. Click Next
- g. Click COMM and ensure all displayed hosts turn green, signaling they are communicating with E.A.S.I.
- h. Click INSTALL and monitor each host. Ensure each host turns green signaling a successful installation.

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4. On the xxacgxx machine, patch the STMGT database as necessary:
  - a. Identify the current version of the STMGT database. If the database version is less than 72, run DbPatch from the ECS Assist Subsystem Manager (select DBPatch from the Database menu after having selected the mode, subsystem (DSS), and component (EcDsSt) in the GUI). Note that beginning with the 6A.04 release, you can specify the desired database patch version (in this case 6A72.72) in the appropriate location when running DbPatch, and the patch script will automatically apply all required patches to reach that version.
5. On the xxdisxx machine, update the DDIST configuration parameters:
  - a. The recommended method is to run the ECS Assist Subsystem Manager on this platform to create DDIST configuration files, populate the registry from those configuration files, and rename the configuration files.
    1. In the Subsystem Manager window, select the mode. Expand the DSS subsystem icon and double click on the EcDsDd component icon. Click on the "Configuration" button, select ".cfgparms" when prompted, and select "Ok".
    2. Review the configuration parameters displayed. The only new configuration parameter that will be added is RetrievalChunkSize, which should be set to the default value of 40. Once all configuration parameters are reviewed and all modifications complete, select "Ok" to create the configuration files. Monitor the status of the configuration process in the output window. If the configuration completes successfully, exit the Subsystem Manager.
    3. From the command line, run EcCoPopulateRegistry. There are a number of parameters which must be specified to run this command. If there are any questions about these parameters, refer to the Configuration section of the 6A.04 Installation Instructions.
    4. Rename the newly-created configuration files. It is recommended that all files ending in .CFG on this machine be renamed to end in .CFG.rgy.

OR

- b. If desired, the registry can be updated by running a registry patch instead of populating from configuration files as described above. To apply the changes via a registry patch, follow the steps for installing registry patches described in the 6A.04 installation instructions. The registry patch file to be applied can be found in the /usr/ecs/<MODE>/CUSTOM/.installed/DSS/distribution directory on the xxdisxx machine.

Item 23: Continued

ECSEd30704 Unable to bring up form for Staging Disk Server  
ECSEd30910 Remove SELECT \* from STMGT Ddist DUE triggers  
ECSEd30358 GSFC/SMC-MOD000's taking too long to stage on g0drg01  
ECSEd31146 DsDdRInsert stored proc missing parentheses  
ECSEd31551 FTP client crashes when encrypting long passwords  
ECSEd31555 Need to change the copy to cpln in the .EcldCommon.iu file  
ECSEd31584 Constraint Check Failure for Reconnected Daily Load

Summary of NCR fixes

ECSEd30737 Function DsStCacheManagerServiceThread::Link was changed to retry the unix file functions "stat" and "link".

Failures in these functions are retried up to a number of times and retry activity is logged.

. Files in Task:

/ecs/formal/DSS/stmgt/src/cache/DsStCacheManagerServiceThread.C

Test Instructions for Checkout Lab:

Bounce the CacheManagerServer while in the middle of the PVC goddard scenario. Observer the log files for a few hours and determine how many acquire failures occurred due to a link error to read only cache post the successful retrieval of the file from the archive.

ECSEd31218 The problem in this ncr is : The CacheManagerServerPULL is not accessing the FTP Notification File directory as listed in the STMGT GUI. By checking the database , we find that the directory set in the STMGT GUI is saved in attribute 'Datalist', which can be found in 'DsStCSelectByServerId.sp'. But CacheMgrPull didn't execute this stored procedure. The path for the FTP notify file in the source code is set to /usr/ecs/mode/CUSTOM/data/DSS , which is not the same as the GUI's path.To let CacheManagerServerPULL access the FTP Notification File directory listed in the GUI, the path in the source code is deleted . The server executes 'DsStCSelectByServerId.sp' so that it can get the directory saved in 'Datalist'which is also listed in

Files in Task:

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/ecs/formal/DSS/include/DsStCacheManagerReal.h @ @ /main/relb/hzhang\_pull\_6A04/1  
/ecs/formal/DSS/include/DsStProcess.h @ @ /main/relb/hzhang\_pull\_6A04/1  
/ecs/formal/DSS/stmgt/src/cache/DsStCacheManagerReal.C @ @ /main/relb/hzhang\_pull\_6A04/1  
/ecs/formal/DSS/stmgt/src/cache/DsStCacheManagerReal.h @ @ /main/relb/hzhang\_pull\_6A04/1  
/ecs/formal/DSS/stmgt/src/cmn/server/DsStProcess.C @ @ /main/relb/hzhang\_pull\_6A04/1  
/ecs/formal/DSS/stmgt/src/cmn/server/DsStProcess.h @ @ /main/relb/hzhang\_pull\_6A04/1

Test Instructions for Checkout Lab:

Testing is successful. Bring up the PullMonitorServer in developer's view, CacheManagerServerPULL is accessing the FTP Notification File directory as listed in the STMGT GUI.

ECSed31621 File DsDdDistFileS::EstimateSize was modified to make a more realistic estimate of allocation sizes for the creation and use of staging disks.

Files in Task:

/ecs/formal/DSS/distribution/src/server/main/DsDdDistFileS.C @ @ /main/relb/mzuniga\_sd\_alloc/1

Test Instructions for Checkout Lab:

Run distributions that have target staging disks and associated staging disk server as a DAAC (staging disks servers on an SGI and staging disk area on a raid). Verify that the space allocated for the staging disks for DDIST (excluding those created by fore SDSRV) are resonably reflective of the actual space taken up by the files on the staging disks. Consider runnig this grep (in the DistributionServerDebug.log) that will indicste the allocation size of stagign disks:  
grep "StagingHost:" EcDsDistributionServerDebug.log

ECSed30458 and ECSed30358 The DDIST server was changed so that archived files per request are retrieved a group at a time as opposed to a file at a time.

This was done with the DsStArchive::Retrive vall with vector arguments, and with saving state info in the DsStRequest table for recovery purposes

Files in Task:

/ecs/formal/DSS/distribution/.rgypatch @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/scripts/EcDsDistributionServerMkcfg @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/scripts/EcDsDistributionServerMkcfg @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/base/DsDdCommon.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/base/DsDdDistFileB.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/base/DsDdDistFileB.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/base/DsDdDistRequestB.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/base/DsDdDistRequestB.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdDistRequestS.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdDistRequestS.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/server/main/DsDdDistRequestS.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/3  
/ecs/formal/DSS/distribution/src/server/main/DsDdDistRequestS.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/4  
/ecs/formal/DSS/distribution/src/server/main/DsDdDistRequestS.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdDistRequestS.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/server/main/DsDdGranuleS.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdGranuleS.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdGranuleS.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/server/main/DsDdMedia.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdMedia.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/server/main/DsDdMediaDist.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdMediaDist.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/server/main/DsDdMediaDist.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/3  
/ecs/formal/DSS/distribution/src/server/main/DsDdMediaDist.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/4  
/ecs/formal/DSS/distribution/src/server/main/DsDdMediaDist.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/5  
/ecs/formal/DSS/distribution/src/server/main/DsDdMediaDist.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdMediaDist.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/server/main/DsDdRequestMgrReal.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdRequestMgrReal.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/server/main/DsDdRequestMgrReal.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/distribution/src/server/main/DsDdRequestMgrReal.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/2  
/ecs/formal/DSS/distribution/src/server/main/DsDdRequestMgrServer.C @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/include/DsDdCommon.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/include/DsDdDistFileB.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1

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/ecs/formal/DSS/include/DsDdDistRequestB.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/include/DsDdDistRequestS.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/include/DsDdGranuleS.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/include/DsDdMediaDist.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/include/DsDdRequestMgrReal.h @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/stmgt/src/Database/DsDdRInsert.sp @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/stmgt/src/Database/DsDdRSelectById.sp @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1  
/ecs/formal/DSS/stmgt/src/Database/DsDdRUpdate.sp @ @ /main/relb/mzuniga\_vecRetrieveReq\_6A04/1

ECSEd31183 - Makes new parameter RETRIEVAL\_CHUNK\_SIZE configurable. Also make some old parameters configurable that should be and sets some parameters that shouldn't be configurable.

Files in Task:

/ecs/formal/DSS/distribution/.cfgparms @ @ /main/relb/jboliek\_NCR31183\_6A04/1  
/ecs/formal/DSS/distribution/.cfgpatch @ @ /main/relb/maint\_6A04/jboliek\_NCR31183\_6A04/1  
/ecs/formal/DSS/distribution/.rgypatch @ @ /main/relb/maint\_6A04/jboliek\_NCR31183\_6A04/1  
/ecs/formal/DSS/distribution/scripts/EcDsDdistGuiMkcfg @ @ /main/relb/jboliek\_NCR31183\_6A04/1  
/ecs/formal/DSS/distribution/scripts/EcDsDistributionServerMkcfg @ @ /main/relb/maint\_6A04/jboliek\_NCR31183\_6A04/1. Test Instructions for Checkout Lab:

Install DDIST in the lab in all 6A.04 modes. Run Mkcfg and verify the RetrievalChunkSize is configurable (In .CFG file the parameter name is RETRIEVAL\_CHUNK\_SIZE). Make sure DebugLevel, AppLogLevel, and AppLogSize are configurable for the GUI and Server. The following parameters will now be configurable for the server:

ListenThreads

DBMaxConnections

CBValidTimeLength (Number of Minutes Capacity and Block size are valid) in the lab we set this to a whole day - 1440.

FtpPushThreshold - default is fine

FtpPullThreshold - default is fine.

In another mode run the .rgypatch and make sure the RETRIEVAL\_CHUNK\_SIZE parameters is added correctly to the server. (Will have to remove it from the Registry before you try this test.)

ECSEd30704 Modified a stored procedure. i.e Replaced two parameters that was taken out.

Files in Task:

/ecs/formal/DSS/stmgt/.EcDsStmgtDBPatch.iu @ @ /main/relb/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/.cfgpatch @ @ /main/relb/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/.dbparms @ @ /main/relb/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/src/Database/DsStSDSSelectByld.sp @ @ /main/relb/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbInitialData.sql @ @ /main/relb/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch70.ksh @ @ /main/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch70.sql @ @ /main/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch @ @ /main/relb/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbReadMe.txt @ @ /main/relb/oogunsuy\_ncr30704/1  
/ecs/formal/DSS/stmgt/src/Database @ @ /main/relb/oogunsuy\_ncr30704/1

Test Instructions for Checkout Lab:

1. Run Stmgt GUI.
2. Select DsStStagingDiskServer.
3. Click on Modify button.

ECSEd30910 :-Replace select \* with column names in 2 triggers belonging to DUE on Ddist Archive tables

Files in Task:

/ecs/formal/DSS/stmgt/src/Database/DsDdFDeleteTrig.sql @ @ /main/relb/dhall\_30910\_6A04/1  
/ecs/formal/DSS/stmgt/src/Database/DsDdPDeleteTrig.sql @ @ /main/relb/dhall\_30910\_6A04/1  
/ecs/formal/DSS/stmgt/src/Database/DsStDbCreateDUE.sql @ @ /main/relb/maint\_6A04/dhall\_30910\_6A04/1

Test Instructions for Checkout Lab:

Perform STMGT database package installation

Execute EcDsStAddDUE.ksh

ECSEd31146- Stored proc DsDdRInsert was added missing parentheses.

Files in Task:

/ecs/formal/DSS/stmgt/src/Database/DsDdRInsert.sp @ @ /main/relb/mzuniga\_RInserstSP/1  
Stored proc DsDdRInsert was added missing parentheses.

ECSEd31551 - NCRs 31584 and 31553 are the same. I fixed the loop counter to increment after dereferencing the list of addresses. Also fixed ncr 31551 about long ftp passwords.

Files in Task:

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/ecs/formal/CSS/DOF/src/CRYPTO/CsSeCryptoDes.cxx@ @/main/relb/rhartran\_6a04\_31553/1  
/ecs/formal/DSS/stmgt/src/ftp/service/DsStFtpConnect.C@ @/main/relb/maint\_6A04/rhartran\_6a04\_31553/1

Test Instructions for Checkout Lab:

Attempt to ftp to a server that is down and verify that the request suspends with errors. Also attempt an acquire with a password longer than 25 characters (say 100) and verify that DDIST doesn't crash.

ECSEd31555 Change the "copy" commands to "cpIn" commands where appropriate

. Files in Task:

/ecs/formal/CSS/IDG/.EcCsCommon.iu@ @/main/relb/jboliek\_NCR31555\_6A05/1

Test Instructions for Checkout Lab:

You must install COMMON in every 6A.05 mode in the lab. Bring up E.A.S.I. Sort on subsystem. Expand CSS and then EcCsId and then click on common. Then continue install.

ECSEd31584 and 31553 are the same. I fixed the loop counter to increment after dereferencing the list of addresses. Also fixed ncr 31551 about long ftp passwords.

Files in Task:

/ecs/formal/CSS/DOF/src/CRYPTO/CsSeCryptoDes.cxx@ @/main/relb/rhartran\_6a04\_31553/1

/ecs/formal/DSS/stmgt/src/ftp/service/DsStFtpConnect.C@ @/main/relb/maint\_6A04/rhartran\_6a04\_31553/1

. Test Instructions for Checkout Lab:

Attempt to ftp to a server that is down and verify that the request suspends with errors. Also attempt an acquire with a password longer than 25 characters (say 100) and verify that DDIST doesn't crash.

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